

LA-UR-20-23757

Approved for public release; distribution is unlimited.

Title: Fun Fact of the Day Module 1

Author(s): Scarlett, Harry Alan

Intended for: Nuclear Fundamentals Orientation (NFO)

Issued: 2020-05-20

Disclaimer:

Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by Triad National Security, LLC for the National Nuclear Security Administration of U.S. Department of Energy under contract 89233218CNA000001. By approving this article, the publisher recognizes that the U.S. Government retains nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.



Nuclear Fundamentals Orientation Module 1

Fun Fact of the Day



Managed by Triad National Security, LLC for the U.S. Department of Energy's NNSA

NFO Introduction

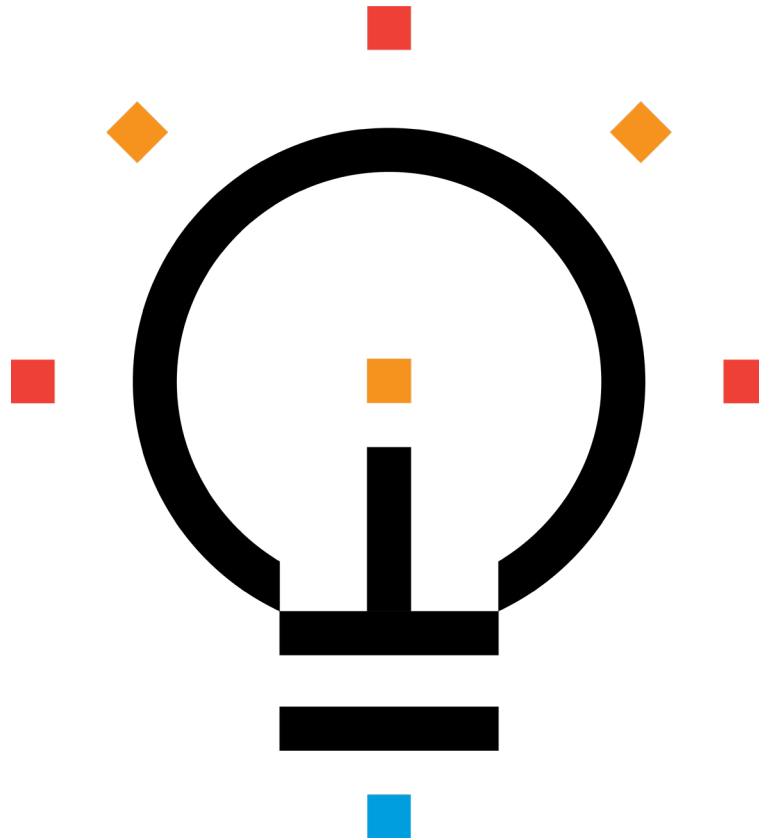


Presentation Overview:

- Fun Fact of the Day
- Weekly Double Fun Fact
- Questions and Answers

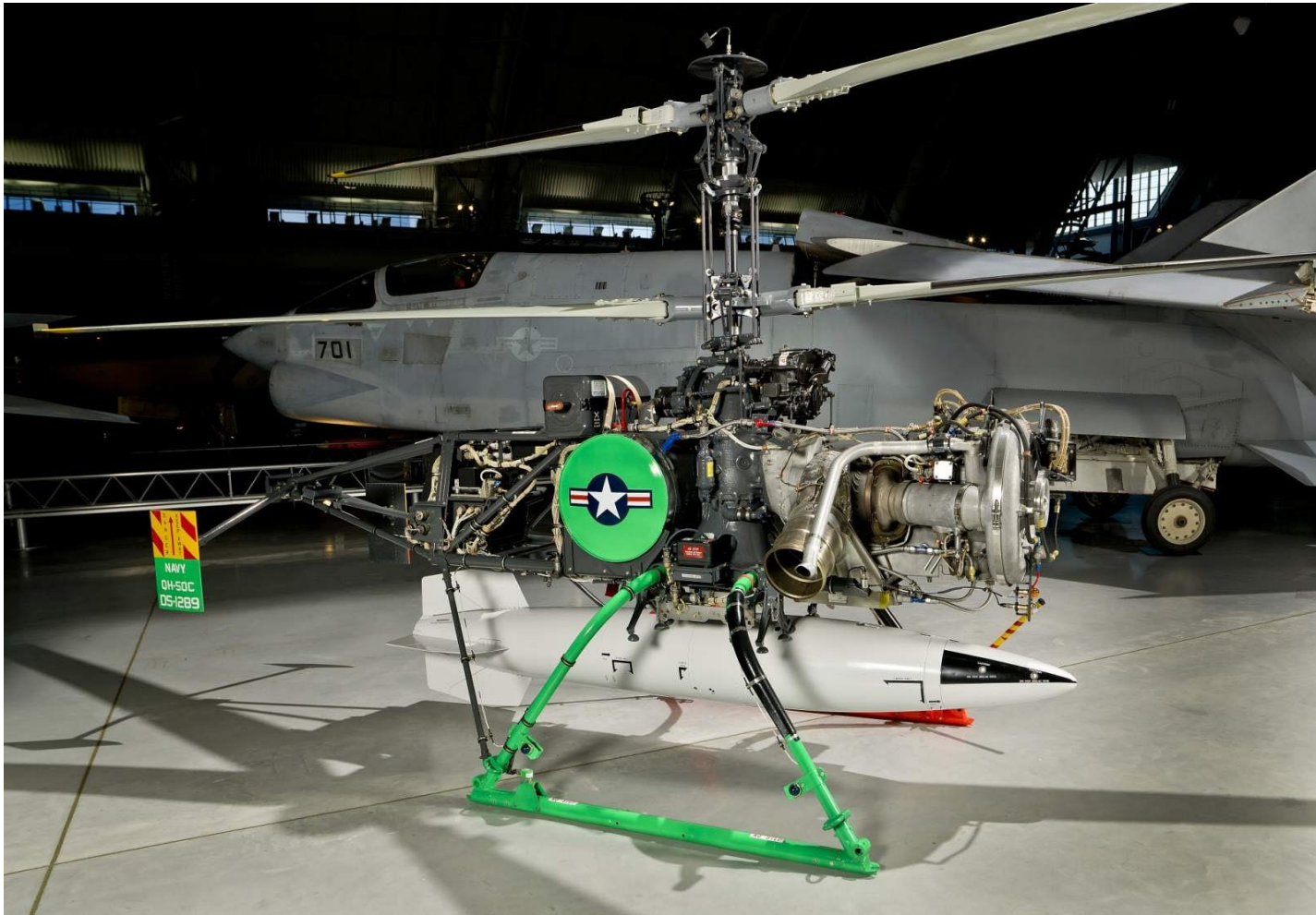
Fun Fact of the Day!

What aircraft could be flown off a U.S. Naval Destroyer carrying a LANL made Mark 57 nuclear depth bomb?



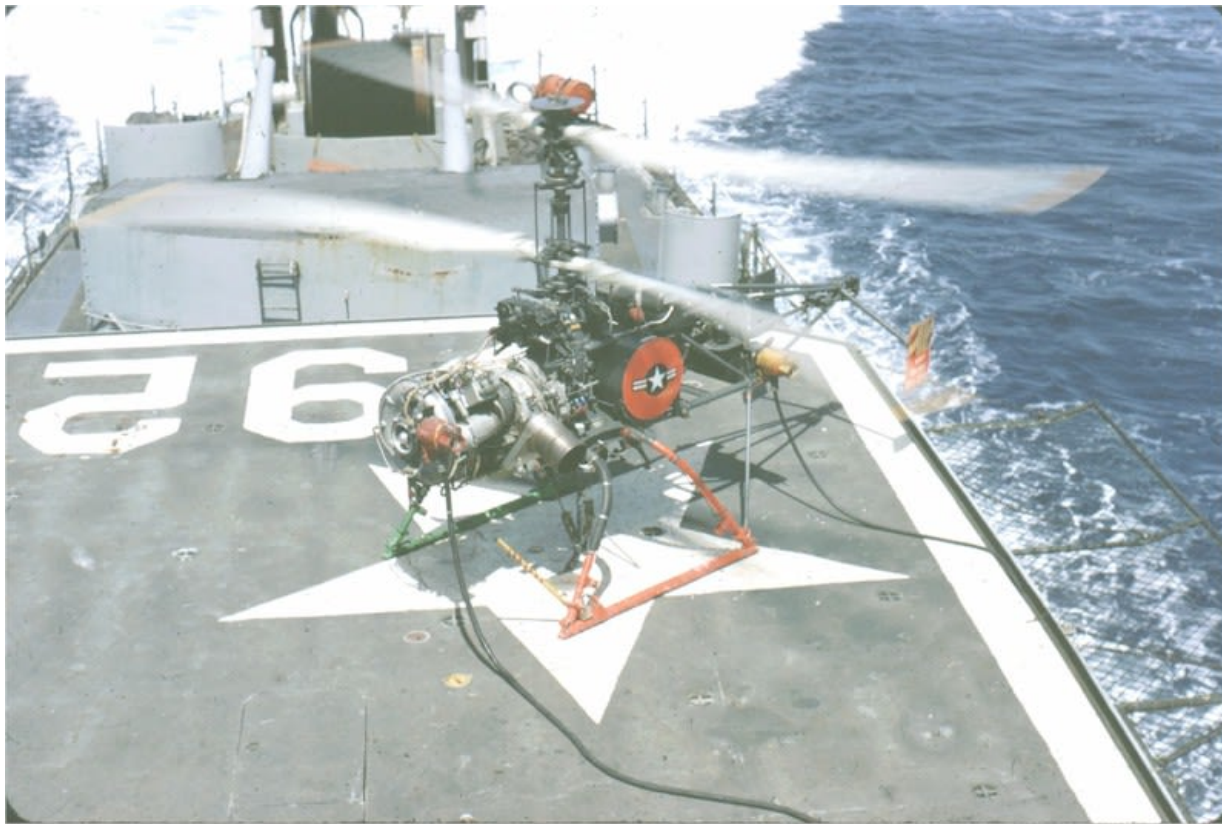
Fun Fact of the Day!

The Gyro-dyne QH-50C Drone Anti-Submarine Helicopter!



Fun Fact of the Day!

- The QH-50 D.A.S.H. was the first drone helicopter to enter operational service, the first rotorcraft deployed with a nuclear armament, and one of the first armed unmanned aerial vehicles. Retired 2006.



Thank you!

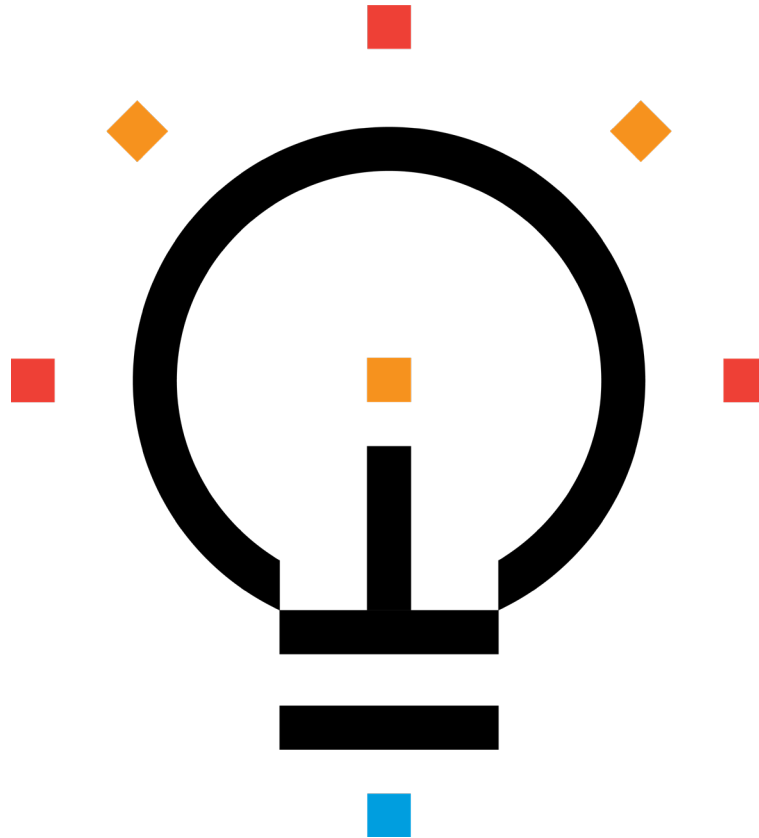
Questions?



Email us: NFO@lanl.gov

Fun Fact of the Day!

What candy was sold exclusively to the U.S Military in World War II and current has a funded collaboration effort with Los Alamos National Laboratory?



Fun Fact of the Day!

The M & M!



Fun Fact of the Day!

- In pursuit of a better way to manufacture chocolate in 1941, Mars Incorporated created the M & M specifically for the U.S. military with the now famous phrase “Melts in your mouth, not in your hand”
- Recently Mars Inc. has funded a collaboration effort with Los Alamos to use our supercomputing simulations for sucrose crystallization to improve production efficiency



Thank you!

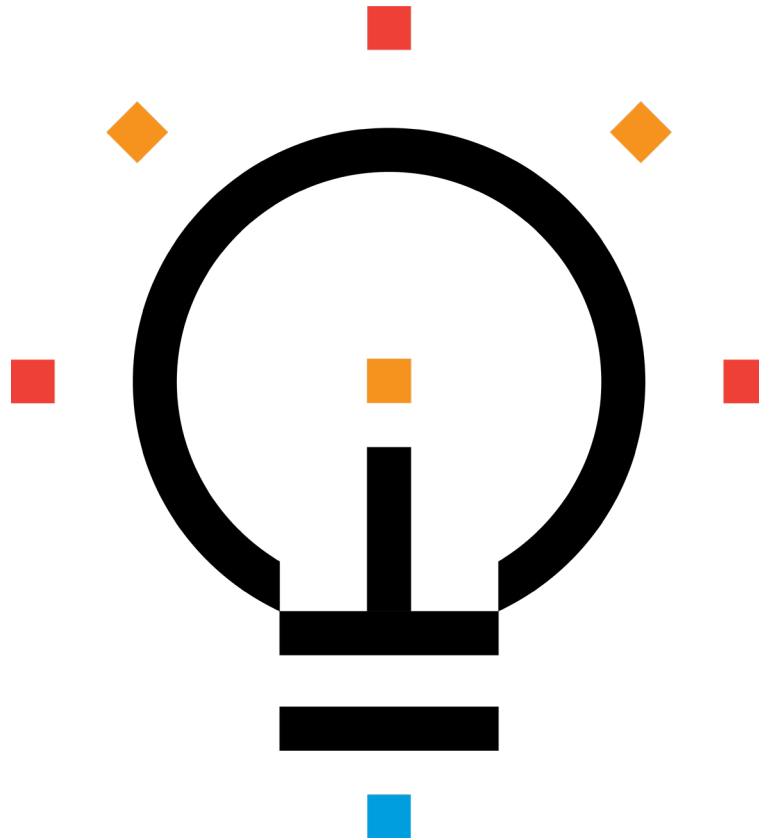
Questions?



Email us: NFO@lanl.gov

Fun Fact of the Day!

What system held a LANL made warhead that could be launched from a Jeep?



Fun Fact of the Day!

The M28/M29 Davy Crockett!



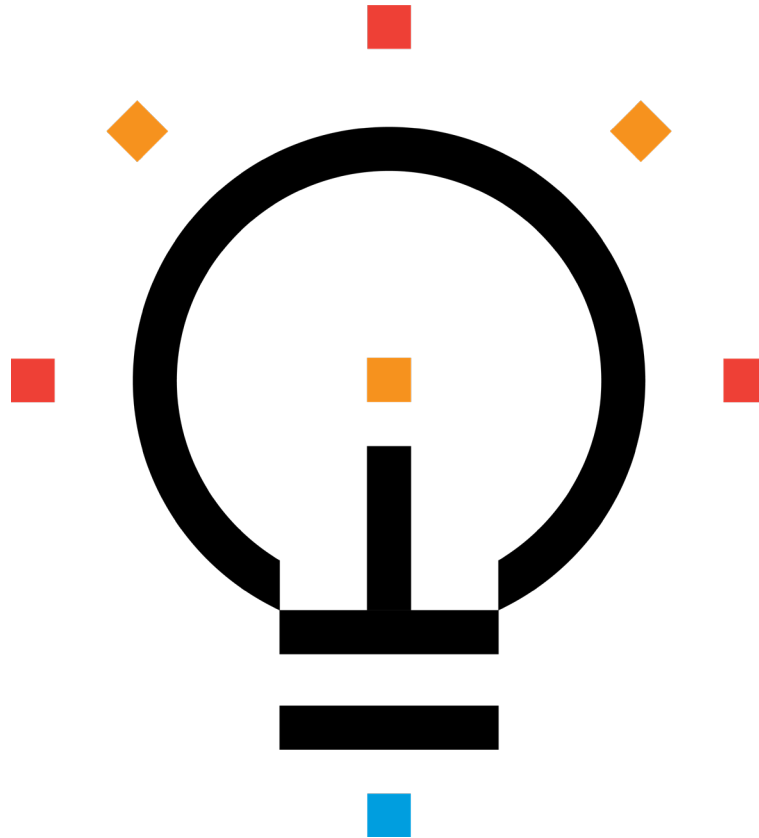
Fun Fact of the Day!

The W54 warhead was developed at LANL and the launcher at Rock Island Army Arsenal. The Soviet national animal was a bear, so the name Davy Crockett was chosen by the designers. Retired 1971.



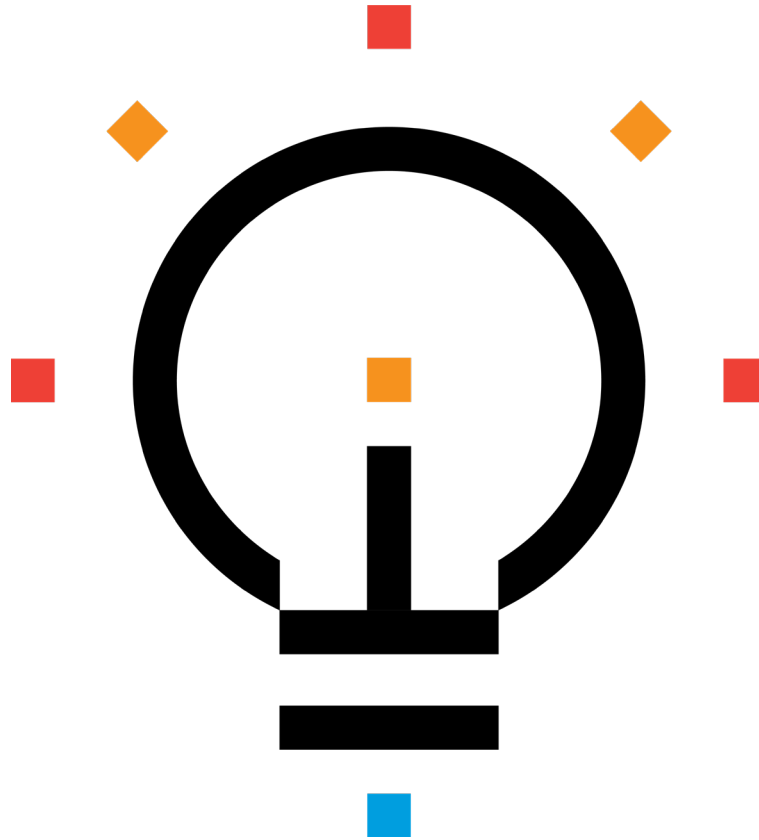
Fun Fact of the Day!

Weekly Double Fun Fact!



Weekly Double Fun Fact!

What was the unofficial name that was given to the LANL designed W54 warhead by the press?



Fun Fact of the Day!

The Backpack Nuke!



Fun Fact of the Day!

The W54 warhead alone was called the “Special Atomic Demolition Munition (SADM)” and could be used in multiple applications. The press nicknamed it the “backpack nuke” and the name persists today.



Thank you!

Questions?



Email us: NFO@lanl.gov